



PUBLIC NOTICE

FILE # NRS15.338

Pursuant to Chapter 0400-4-7 of the Department's rules, the proposed activity described below has been submitted for approval under an Aquatic Resource Alteration Permit and §401 Water Quality Certification. This notice is intended to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. No decision has been made whether to issue or deny this application.

FILE NUMBER: NRS15.338

APPLICANT: Julie Hubbs
DW Hubbs Farms
P.O. Box 70
Camden, TN 38320
(731)441-1942

LOCATION: North of Sorghum Road
Holladay, Benton County, TN
Lower Birdsong Creek Watershed
Latitude: 35.8961 Longitude: -88.1291

PROJECT DESCRIPTION: The applicant proposes to use rock riprap to stabilize 150 feet of stream bank along the southern bank of Birdsong Creek in Benton County, Tennessee. The proposed project utilizing half-bank riprap and riparian buffer is to provide erosional protection for the applicant's farm property. This project would tie into existing riprap and allow for vegetation to establish as opposed to the alternatives, which involved riprapping the entire bank or allowing the bank to continue to erode.

MITIGATION REQUIRED: Emergency repair work was performed in 2010 which included riprap protection along 1,080 feet of Birdsong creek. An additional 154 feet of streambank stabilization occurred in 2013. Cumulatively these impacts exceed *de minimis* and the applicant is required to offset the current 150 linear feet of impact with buffer establishment. Six hundred feet of establishment will occur; 150 of forested buffer establishment along the current project impacts and 450 feet along past impact locations. The buffer will be a minimum of 35 feet wide and will include signage stating the area is a protected buffer and "do not disturb". Monitoring for vegetation survival and stream conditions will occur during year three and five.

DETERMINATIONS: In accordance with the Tennessee Antidegradation Statement (Rule 0400-40-03-.06), the division has determined that the proposed activity exceeds *de minimis* degradation, but proposed in-system mitigation renders impacts *de minimis*.

WATERSHED / WATERBODY DESCRIPTION: Birdsong Creek flows into the Kentucky Reservoir in the Tennessee Western Valley (Kentucky Lake) Watershed. This watershed is located in Tennessee and Kentucky with 80.7% of the watershed located in Tennessee. This watershed incorporates parts of Benton, Carrol, Decatur, Dickson, Henderson, Henry, Houston, Humphreys, and Stewart Counties. The watershed, designated 0604005 by the USGS, drains approximately 1,809 square miles, 1,460 square miles of which are in Tennessee. The watershed empties to the Ohio River in Kentucky. For more information on this watershed please visit <http://tn.gov/environment/article/wr-ws-tennessee-western-valley-kentucky-lake-watershed>.

Birdsong Creek is in Northern Hilly Gulf Coastal Plain (65e) ecoregion. The project's 150-ft section has an average bank height of 14-18 feet. Channel bottom width averages 43 feet and channel top width averages 189 feet. Typical substrate in this section is comprised mostly of sandy substrate.

More details on the proposal can be viewed on the Internet at <http://www.tennessee.gov/environment/topic/ppo-water>.

Stream Name / ID #: Birdsong Creek (TN06040005047_1000)

Ecoregion: Northern Hilly Gulf Coastal Plain (65e)

Designated Use	Use Support	Causes
Fish and aquatic life	Fully supporting	
Recreation	Fully supporting	
Industrial water supply	Not assessed	
Irrigation	Fully supporting	
Livestock watering & wildlife	Fully supporting	

Assessment Date: September 2011

PERMIT COORDINATOR: Meghan Ploch

FACTORS CONSIDERED: In deciding whether to issue or deny a permit, the department will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

COMMENTING: Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced. Send all

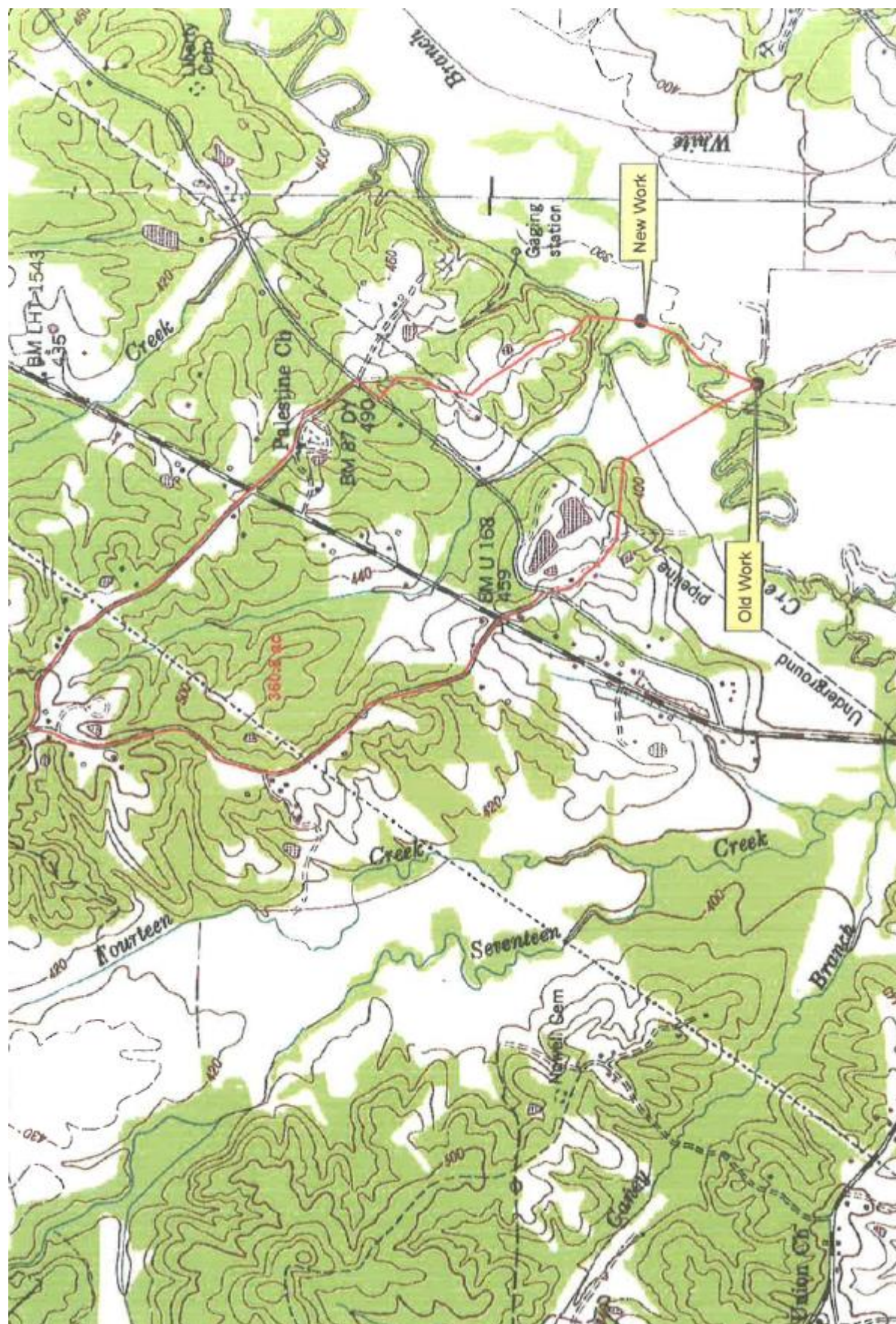
written comments to the department's address listed below and to the attention of the permit coordinator.

PUBLIC HEARING: Interested persons may request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing. Send all public hearing request to the department's address listed below and to the attention of the permit coordinator.

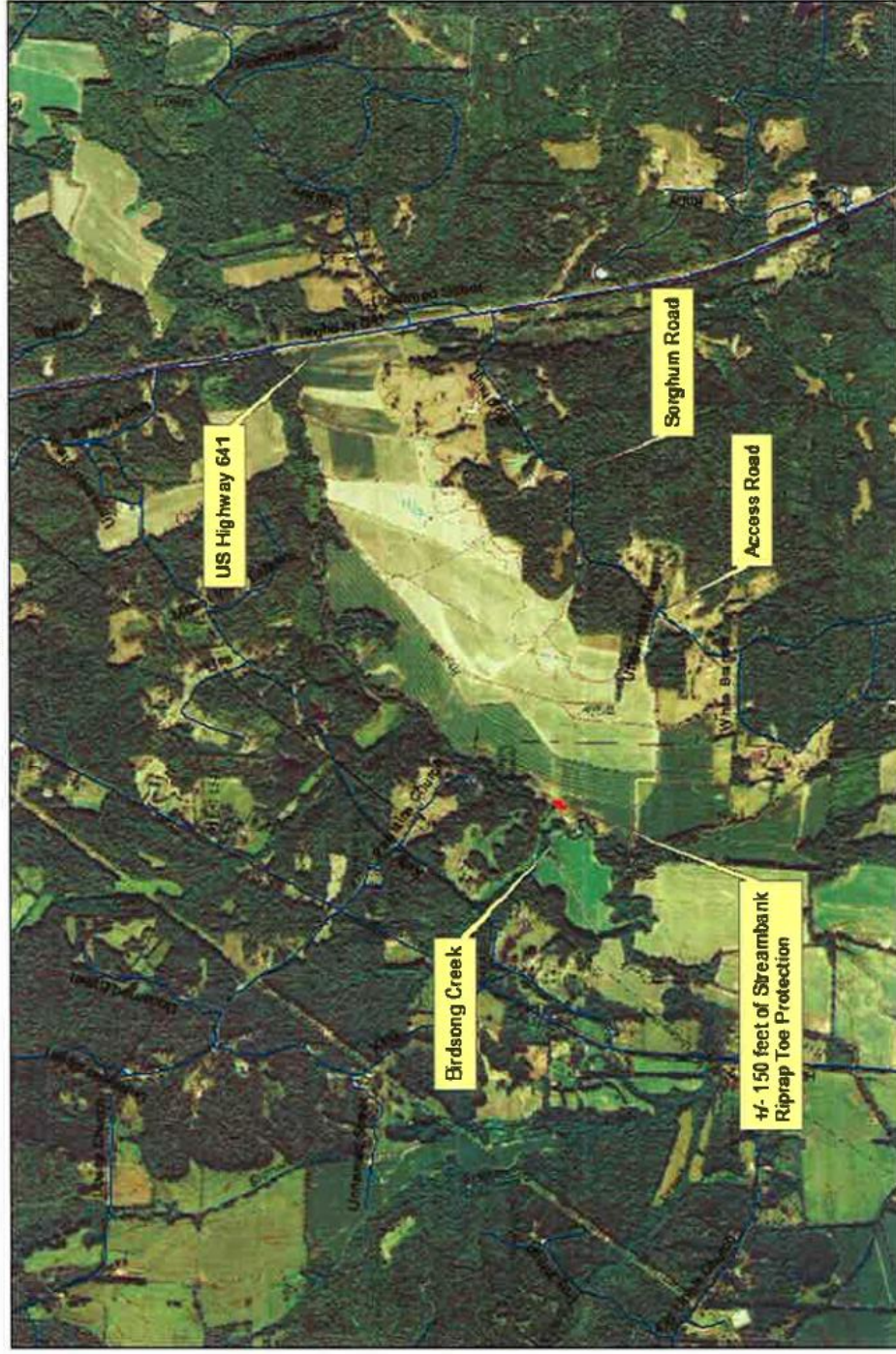
APPEAL: A permit appeal may be filed, pursuant to T.C.A. §§ 69-3-105(i) and Rule 0400-40-05, by the permit applicant or by any aggrieved person who participated in the public comment period announced by this notice. This petition must be filed within THIRTY (30) DAYS after public notice of the issuance of the permit. The petition must specify what provisions are being appealed and the basis for the appeal. It should be addressed to the technical secretary of the Tennessee Board of Water Quality, Oil and Gas at the following address: Tisha Benton, Director, Division of Water Resources, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Ave, 11th floor, Nashville, TN 37243. Any hearing would be in accordance with T.C.A. §§69-3-110 and 4-5-301 et seq.

FILE REVIEW: The permit application, supporting documentation including detailed plans and maps, and related comments are available for review on the internet at the department's data viewer at: <http://www.tn.gov/environment/article/wr-water-resources-data-viewer>. The file may be viewed in person at the department's address (listed below) for review and/or copying.

Tennessee Department of Environment & Conservation
Division of Water Resources, Natural Resources Unit
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243

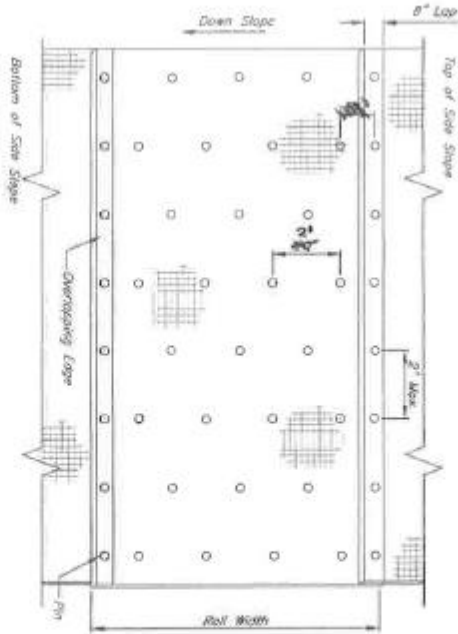


Julie Hubbs Streambank Stabilization Structure
Location Map
Benton County, Tennessee



Erosion Control Blanket/Matting (ECB)

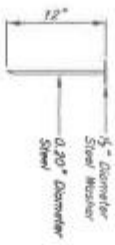
- Notes:
1. ECB Shall Be North American Green S150BN or Equivalent. ECB Shall Be Installed and Be of Minimum Properties Specified in Construction Specification 6, Seeding, Spraying, and Mulching Erosion Control Blanket. Shall Be Shaped To Provide Proper Fit and Seal To The Top Of The Slope.
 2. Erosion Control Blanket Shall Be Shaped To Provide Proper Fit and Seal To The Top Of The Slope.
 3. Erosion Control Blanket Shall Be Shaped To Provide Proper Fit and Seal To The Top Of The Slope.
 4. Erosion Control Blanket Shall Be Shaped To Provide Proper Fit and Seal To The Top Of The Slope.



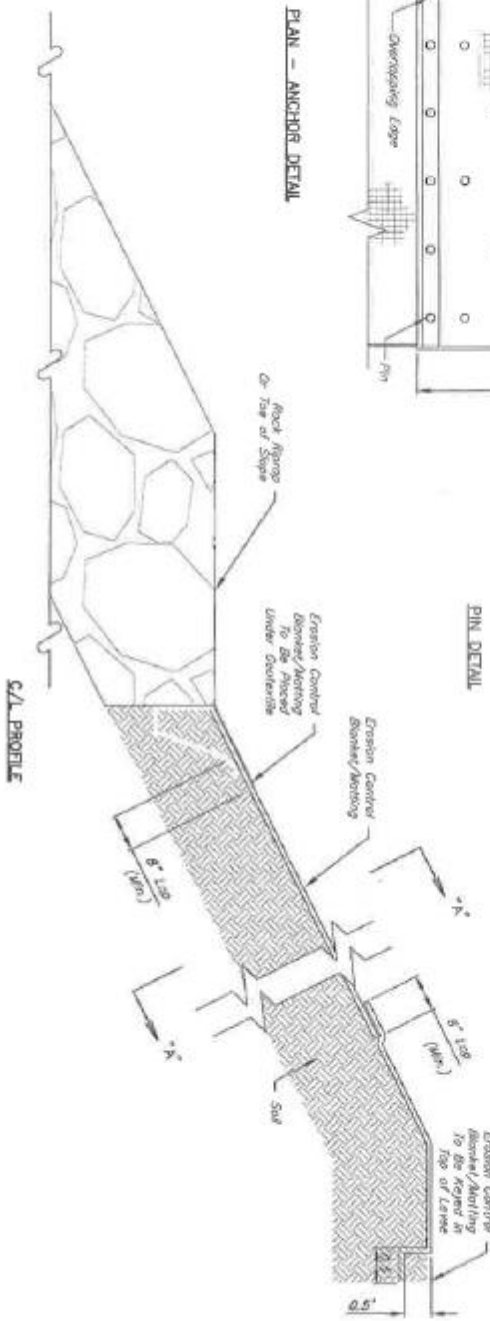
PLAN - ANCHOR DETAIL



SECTION - A-A



PIN DETAIL



C/L PROFILE

EROSION CONTROL BLANKET/MATTING



National Resources Conservation Service
United States Department of Agriculture

FILE NAME

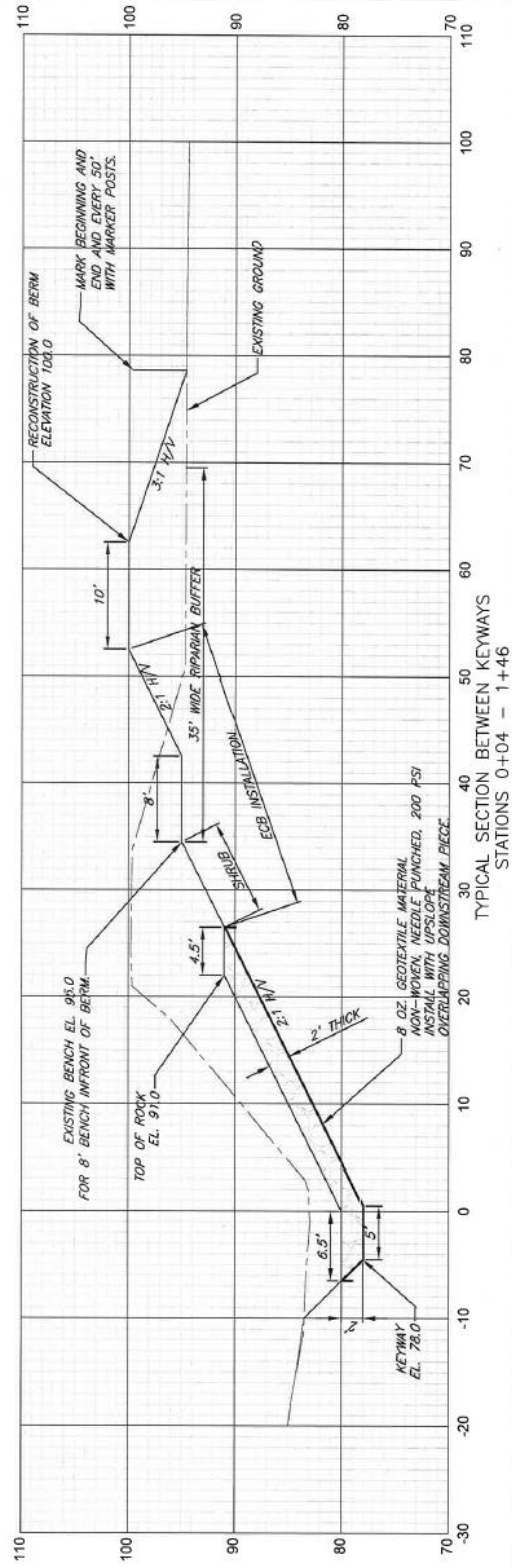
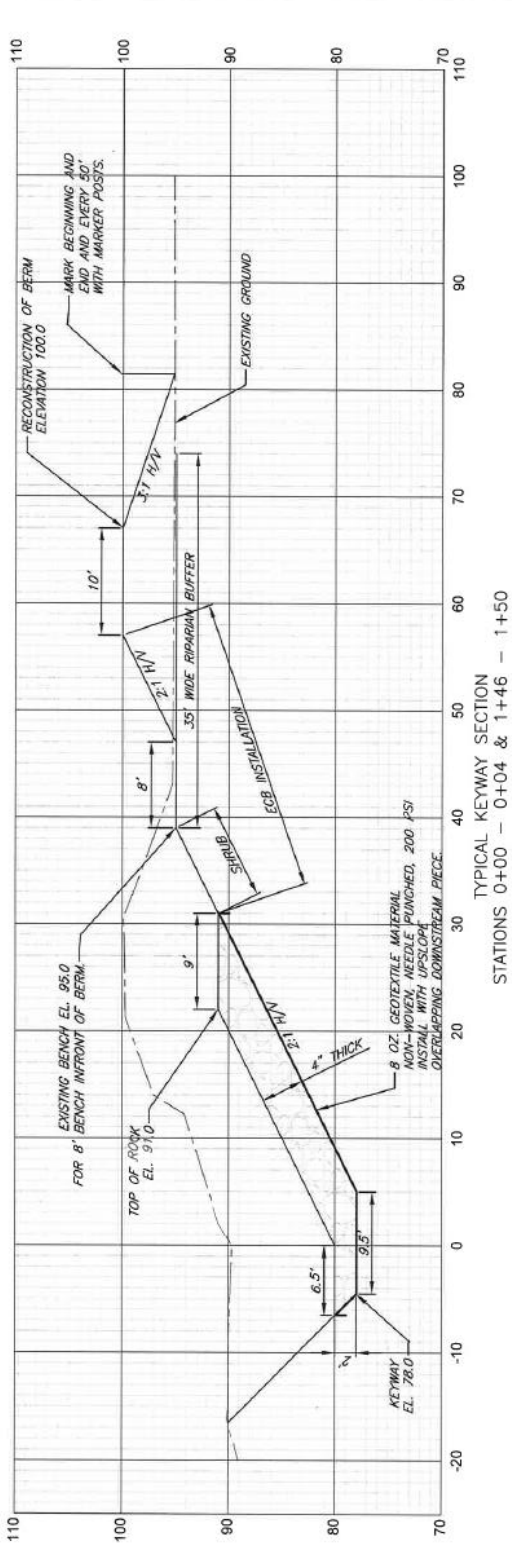
DRAWING NUMBER

Julie Hubbs 2015

Sheet 5 of 5

TYPICAL CROSS SECTIONS STREAMBANK STABILIZATION STRUCTURE JULIE HUBBS BENTON COUNTY, TENNESSEE

Designed: RUFFELL
Drawn: RUFFELL
Checked: W.H.
Approved: [Signature]
10/20/15
10/20/15
10/20/15



Upstream of potential impact site on Birdsong Creek



Downstream of potential impact site on Birdsong Creek

